

412005/17/05

Created

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

TITLE: WASTEWATER CONTROL SYSTEMS TECHNICIAN

DEFINITION

Under general supervision, to perform work in the maintenance and repair of automated wastewater control equipment and the routine testing and adjustment of control systems; to assist in control system design, installation and programming of the control system computer; and to do related work as required.

REPORTS TO: SCADA System Supervisor

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the SCADA System Supervisor. May exercise general direction over assigned staff as necessary.

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Participate in the testing and initial start-up of control and telemetering systems.
- Work with telephone company personnel in the installation, modification and troubleshooting of telemetry circuits.
- Install and configure network switches.
- Assist in the testing and adjusting of recording equipment and telemetering circuits.
- Work with contractors in the installation and modification for the supervisory control and data acquisition system (SCADA) software.
- Maintain, repair and replace control equipment, including electrical metering, switchgear, motors and pumps.
- Assist in the development of plans and specifications for the purchase and installation of control system equipment.
- Troubleshoot, repair and test fiber optic network connections.
- Assist in the programming of additions and changes for the control system computer.

QUALIFICATIONS

Knowledge of:

- Methods, tools and equipment commonly used in the installation, testing and repair of automated control systems.
- Networking radio transmission systems as they relate to telemetering.
- Theory and practice of automated control systems using electronic, pneumatic, hydraulic and electro-mechanical equipment.

- Computer programming related to control system computers.

Ability to:

- Read and understand plans, blueprints, schematics and writing diagrams for automated control systems.
- Troubleshoot, locate and repair control system and telemetering equipment.
- Assist in preparation of plans, estimates, specifications, schematics and writing diagrams.
- Work under emergency conditions, day or night, and be willing to work when called anytime during a 24-hour period.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to the completion of the twelfth grade and course work or specialized classes covering electronics, computer programming, fiber optics or a related topic which could provide the necessary skills.

Experience: One year of experience in electronic telephone circuitry and radio systems related to telemetry.

MEDICAL CATEGORY: Group 1

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

Possession of an active Grade I Wastewater Operator Certificate issued from the California State Water Resources Control Board is highly desirable.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Wastewater Control Systems Technician

TO: SCADA System Supervisor